BRAD KUSNIR

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EXPERIENCE

August, 2006 – Present

Senior Applications Systems Engineer, AVP
Wells Fargo | *San Francisco, CA*

- Redesigned file upload application front-end UI using Google REACT and implemented automated build, test and deploy solution using Jenkins and uDeploy. Blackduck, PCI and *AST security compliance.
- Redesigned front-end UI for a file upload application from HTML4/JavaScript to AJAX/HTML5 (w/Flash fallback) using the YUI 3.5 library. Worked closely with the lead front-end architect at Yahoo to resolve defects in preview release and suggest enhancements using their ticketing system for the Uploader control. Tested github masters against my solution. Redesigned Java backend to process asynchronous XHR POST request vs. previous synchronous HTML form POST requests. This reusable file upload (widget) solution was leveraged as the first v2 RIA gallery component within WF. Developed using REST / MVC design, built w/ANT.
- Converted 2 high profile Wholesale (B2B) banking applications from a physical SunOS UNIX environment to virtual Linux VMware environment. Went from local POC to Production in fewer than 6 months. Migrated physical SunONE web servers to virtual Linux VMware Apache Tomcat web servers.
- Collaborated on Android (Java) and iPhone (Objective-C) development for a large-scale mobile payment application (digital wallet / e-wallet).
- Rewrote existing reporting applications that were proving to be unscalable. Using a pre-processed summarization/compression table was able to achieve 60X performance increase and long-term scalability. This project included PL/SQL tuning, DB indexing, core logic and design level changes. 3 months to completion.
- Developed new and re-tooled existing application/infrastructure monitoring/diagnostic tools as environments changed and platforms upgraded to meet business needs. The largest effort being for webMethods platform upgrade from version 6.5 to 8.0 where core API services were deprecated and JDK version changed.
- Lead all infrastructure related efforts (F5, Firewall, Webserver, Application Server, Database, etc...) eliminating multiple bottlenecks and single points of failure. Prolific use of load balancing to increase fault tolerance and provide higher availability (99.999%) on these mission critical hub systems.
- Developed new standard for F5 GTM based Oracle database connectivity using Virtual IP (VIP) pools encapsulated in a Wide IP (WIP). This new standard was approved and later adopted by the DBA group after I presented it to the lead architect there. They were using the previous VIP only approach for over four years.
- Transitioned all production support activities for two shared infrastructure applications off shore to our India office using a follow-the-sun approach. Standardized all procedures into a centralized SharePoint WIKI site by role and function. This format was well received and adopted by several other groups. This freed up time for multiple full-time senior employees whose time was better served spent on development lead related activities. Operational efficiency increased by 100%.
- Handled every aspect of the day to day operations management, development and deployment of 99-piece infrastructure consisting of 2 mission critical Wholesale (B2B) open-ended banking applications across 5 environments interfacing in total with over 20 different other applications across multiple lines of business.
- Re-engineered and repackaged (JAR to WAR) a complex, custom built reverse proxy servlet used for implementing a determinate progress bar. The code was inherited, was missing source code, required includes and hence would not compile. Same binaries had been running in Production environment since 2006.
- Self-taught (in < 6 months) and mastered webMethods flow code - a graphical programming language, with no previous experience coming from traditional OOPLs such as Java & C#. The Software AG webMethods platform is a Java-based, multiplatform enterprise integration for building Service Oriented Architecture (SOA).

Systems Developer

February, 2005 – August, 2006

Casino Arizona | *Scottsdale, AZ*

- Re-designed and added large amount of functionality to a key web-based Tip Reporting application written in C#/ASP.NET hosted in-house on MS IIS. Held discovery, development and project meetings with IT staff and end users. Reported directly to CIO. Managed project directly while performing all development - including extensive TSQL and stored procedures for MS-SQL DB. Extensive Crystal Reports/C# API development to develop new reports. Developed use cases, unit testing plans, deployment and back out plans, commented 25,000 line+ VS.NET solution, authored all development, system, and end user documentation. Performed production deployment by myself successfully with a minimal amount of issues and latent bugs. Project took just over 6 months to complete.
- Sole in-house developer supporting 5 custom developed .NET based applications, intranet and external website. Performed .NET 1.1 > 2.0 Code Migrations.
- Worked with contract firm Microsoft VIP developer to deploy custom Microsoft Identity Integration Server (MIIS) solution. Attended formal MIIS training.
- Repackaged Dealer Tip Reporting app – inherited with very little documentation in English, no source control and large portions of the source code were "missing". Refactored code to rebuild a working, deployable version equivalent to what existed in the production environment and checked into Visual Source Safe.

Owner-Principal / Consultant

June, 2001 – Present

ZNWD, LLC | *Las Vegas, NV*

- Formed partnership and later converted to LLC, developed brand name, image, website (http://znwd.net), and all marketing materials. Still operating today.
- Managed electronic mailing campaigns/newsletters, Organic Search Engine Optimization (SEO), Google AdWords campaigns, Google AdSense.
- Services offered by contract: Web Development, Hosting Services, Online Marketing, Graphic Design, Custom Programming, IT Consulting.
- Maintained direct customer relations, collaborated online with design team subcontractors, performed routine business administrative duties.
- Automated process for reselling web hosting, domain names, SSL certificates using custom cPanel / Web Host Manager (WHM) and ModernBill integration.
- Administered Red Hat Enterprise Linux (RHEL), Ubuntu Linux on Amazon Web Services (AWS) Elastic Compute (EC2) running Apache / nginx & memchached.

Other Past Employers: Edward Jones (2004-2005), Sunterra (2003-2004), Arizona State University (1999-2003), Intercall ISP (1998-1999)

EDUCATION & PROFESSIONAL CERTIFICATIONS

California Real Estate Salesperson - DRE License ID #0187706 — March, 2010
Cisco Certified Network Associate (CCNA) Routing and Switching - Verification Code 387394724582JQDL — January, 2006

W.P. Carey School of Business, Arizona State University | *Tempe, AZ* — May, 2003
Bachelor of Science, Computer Information Systems (CIS)

June, 1998

Ridgewood High School | *Ridgewood, NJ*

SKILLS

- Algorithm – Big O Notation, Hashing, Parsing, Recursion, Searching, Sorting
- Data – BLOB, BST, checksum, CLOB, CRC, CSV, JSON, PDF, XLS(X), XML
- *Database* – ADO, Cube, DTS, Explain Plan, Flat file, Functions, Hadoop, JDBC/ODBC, MS Access, MS SQL Server, MS Visual Fox Pro, mongoDB, mSQL, mySQL, NOSQL, OLAP, Oracle, Parallelization, PostgreSQL, SQL*Plus, Stored Procedures
- *Development* – Ant, Angular, ASP, AWS, bash, BASIC, C, C#, C++, csh, CFM, CGI, CSS, CVS, DHTML, Docker, ETL, ESB, Flash, GitHub, HTML4/5, Java, JavaScript, Jenkins, JCL, jQuery, JSP, ksh, lint, minify, Objective-C, PaaS, Perl, PHP, PL/SQL, Postman, Python, REACT, redux, regex, REST, Servlets, SaaS, soapUI, Spring, SQL, SVN, TSQL, uDeploy, VB, VBScript, Visual Source Safe, Visual Studio, Xerces, XPath, XSLT, YUI
- *Directory* – Active Directory (AD), DDNS, Domain Name System (DNS), Berkeley Internet Name Domain (BIND), Lightweight Directory Access Protocol (LDAP), Microsoft Identity Integration Server (MIIS), nslookup, Time-to-Live (TTL)
- *Hardware* – Advanced Micro Devices (AMD), EMC, IDE, Intel x86, FileTek/StorageTek, Redundant Array of Inexpensive Disks (RAID), PCI, Raspberry Pie, SATA, SCSI
- *Internet* – CDN, cPanel, FTP, HTTP, ICMP, IMAP, NDM, POP3, SFTP, SMTP, SSH, TFTP, WHM
- *Mainframe* – AS/400, Hardware Management Console (HMC), Initial Program Load (IPL), Multiple Volume Spanning (MVS), Time Sharing Option (TSO)
- *Network* – ATM, ARP, BGP, Cable, Cabling, CDP, Cisco IOS, DSL, DHCP, echo, EIGRP, Fiber, F5, Firewall, FRS, GTM, host files, IGRP, ICMP, ipchains, iptables, IPX/SPX, LAN, Load Balancing, Local Area Network (LAN), LTM, ISDN, IS-IS, netstat, NAS, nmap, OSPF, OSI Model, PAN, ping, PCAP, RDP, RIP, Samba, SAN, SNMP, STP, static routes, TCP/IP, tracert, UDP, VLAN, VNC, VOIP, VTP, WAN, Wireshark, X.25
- *Network Operating Systems (NOS)* – AIX, Android, Disk Operating System (DOS), iOS, Linux, macOS, Microsoft Windows, Novell, OS/390, Solaris, SunOS, UNIX, z/OS
- *Security* – Black Duck, Buffer Overrun, CRL, CSR, CORS, DAST, DDOS, Digital Certificates, Fortify, Forward Secrecy, HTTPS, MITM, PCI, PKI, SQL Injection, SAST, SSL, TLS, WAF, XSS, XXE
- *Server* – Apache, Apache Tomcat, CA Layer 7, Crystal Enterprise, Datapower, Exchange, Internet Information Services (IIS), Mulesoft, nginx, SunONE, Weblogic, webMethods Integration Server (IS)
- *Software* – Adobe, AutoSys, CA-7/CA-11, Crystal Reports, discreet 3DSMAX, Macromedia Studio, MS Office, MS Project, MS SQL Reporting Services, MS SharePoint, MS Visio, Oasis, Zeke/Zebb
- *Virtualization* – Hypervisor, Parallels, VirtualBox, Virtual PC, VMWare

LEADERSHIP

- Wells Fargo Hackathon Team Captain – Placed 2nd for our mobile cash back application.
- Independent real estate professional specializing in purchase and refinance loans, property management, long term and short-term rentals, purchase and sales.
- 555 Bartlett Street Condominium Home Owner's Association (HOA) Board Member - Elected to Parking Owner's Association (PCOA) in 2011 for 1-year term.
- Headed up an online streaming audio startup attempt in 2008 - Software Development (Spring, Flash, Mobile), wrote ad/marketing plan, business plan, comparative market analysis, exec summary, legal, R&D.
- Arizona State University Norcal Chapter Member - helping to organize events for business professionals in Northern California Bay Area. Great networking.
- Arizona State University Decisions Information Systems Club (DISC) member 2002-2003. Helped organize employer sponsored events with other CIS students.